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FOREST PRODUCTS LABORATORY

LIST OF AVAILABLE PUBLICATIONS

ON

WOOD FIBER PRODUCTS RESEARCH

JANUARY 1965

U. S. Department of Agriculture

Forest Service

Madison, Wisconsin 53705

In cooperation with the University of Wisconsin

The Forest Service, U.S. Department of Agriculture, is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives--as directed by Congress--to provide increasingly greater service to a growing Nation.

FOREST PRODUCTS LABORATORY LIST OF AVAILABLE PUBLICATIONS ON WOOD FIBER PRODUCTS RESEARCH[1]

This list includes publications that give information and results of research by the U.S. Forest Service on raw materials for fiber products, pulping, fiber processing, paper, paperboard, structural fiberboard, converting processes of fiber products, methods of evaluating such materials, and other related subjects. The material is often difficult to classify and the titles may or may not be multiple listed, therefore we suggest that the entire contents of this list be examined.

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INSTRUCTIONS FOR OBTAINING PUBLICATIONS

Single copies of reprints and reports listed may be obtained free upon request from the Director, Forest Products Laboratory, Madison, Wis., 53705.

Trade journals or books may often be purchased from the publishers or may be consulted in various libraries.

The Forest Products Laboratory reserves the right to furnish only those publications that, in its judgment, will give the information requested. Blanket requests or requests for a large number of copies of any individual article will not be filled, except in unusual cases.

Title	Author	Publication and date

PULPING PROCESS INVESTIGATIONS

Raw Materials

Pulpwood

A study of outside storage of hardwood pulp chips in the Southeast.	Bois, P. J., Flick, R. A., & Gilmer, W. D.	Tappi 45:8, pp. 609-618, Aug. 1962.
Bark-peeling machines and methods.	Fobes, E. W.	FPL Rpt. 1730. 1949. Revised 1962.
Biological deterioration of pulpwood and pulp chips during storage.	Lindgren, R. M., & Eslyn, W. E.	Tappi 44(6): 419, June 1961.
Bark and its possible uses.	Forest Products Laboratory	FPL Rpt. 1666-5. 1957. Revised 1961.
Characterization of sawdust and shavings for pulp.	Simmonds, F. A., & Hiller, C. H.	FPL Rpt. 2212. 1961.
Comparative decay resistance of heartwood of different native species when used under conditions that favor decay.	Forest Products Laboratory	FPL Tech. Note 229. 1950. Revised 1961.
Differences between heartwood and sapwood.	Forest Products Laboratory	FPL Tech. Note 189. Revised 1936. Reissued 1961.
Weights of various woods grown in the United States.	Forest Products Laboratory	FPL Tech. Note 218. 1958. Reissued 1961.
Developments in debarking.	Fobes, E. W.	FPL Rpt. 2071. 1956. +1962.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Raw Materials (continued)		
Pulpwood (continued)		
Chemical composition of common North American pulpwood barks.	Chang, Y., & Mitchell, R. L.	Tappi 38(5): 315-320, May 1955.
Debarkers used in the South and East.	Miller, R. H. P.	FPL Rpt. 2038. 1955. +1962.
Physical characteristics of ponderosa pine pulpwood from Black Hills, South Dakota.	Schafer, E. R., & Hyttinen, A.	PP-88. 1955. +1960.
Effect of storage of slash pine pulpwood on sulfate and groundwood pulp quality.	McGovern, J. N., Martin, J. S., & Hyttinen, A.	Forest Prod. Res. Soc. Proc., 1951.
Influence of volume of summerwood and rate of growth on the specific gravity of southern pine pulpwood.	Schafer, E. R.	South. Pulp and Paper Mfr., 12(10A) 166-68, Oct. 31, 1949.
Log measuring instrument.	Fobes, E. W.	FPL Rpt. R1637-21. 1947. +1960.
Mobile pulpwood harvesters.	Fobes, E. W.	FPL Rpt. R1637-18. 1947. +1960.
Cross-sectional dimensions of fibers in relation to paper-making properties of loblolly pine.	Pew, J. C., & Knechtges, R. G.	Paper Trade Jour., Vol. 109, Oct. 12, 1939.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Raw Materials (continued)		
Pulpwood (continued)		
Physical characteristics and chemical analysis of certain domestic hardwoods received at the Forest Products Laboratory for pulping from October 1, 1948 to November 1957.		PP-110.
Physical characteristics and chemical analysis of foreign pine woods received at the Forest Products Laboratory for pulping from October 1, 1948 to June 15, 1957.		PP-111.
Physical characteristics and chemical analysis of certain domestic pine woods received at the Forest Products Laboratory for pulping from October 1, 1948 to September 4, 1956.		PP-112.
Fiber length, specific gravity, and chemical analysis of certain foreign hardwood pulpwoods received at the Forest Products Laboratory from October 1, 1948 to December 31, 1957.		PP-113.

+Information reviewed and reaffirmed.

Title	Author	Publication and date

PULPING PROCESS INVESTIGATIONS (continued)

Raw Materials (continued)

Pulpwood (continued)

Physical characteristics and chemical analysis of certain softwoods (other than pine) received at the Forest Products Laboratory from October 1, 1948 to August 7, 1957.		PP-114.
Physical and chemical characteristics of various pulping hardwoods and softwoods received at Forest Products Laboratory from July 1935 to October 1, 1948.		PP-123 (M 85183 F, -4F, -5F.)
Amount and moisture content of bark on pulpwood received at the Forest Products Laboratory, July 1927 to July 1946.		M 80571 F.
Summary of chemical and color characteristics of various woods used in pulping experiments at the Forest Products Laboratory, July 1927 to July 1935.		M 27582 F.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Chemical Pulping		
Kraft (sulfate)		
Factors affecting yield increase and fiber quality in polysulfide pulping of loblolly pine, other softwoods, and red oak.	Sanyer, N., and Laundrie, J. F.	Tappi 47(10):640-652, Oct. 1964.
Kraft pulping of W. Florida sand pine.	Martin, J. S.	FPL Rpt. 2248. 1962.
Sulfate pulping of alligator juniper.	Martin, J. S.	FPL Rpt. 2219. 1961.
Sulfate pulping of balsam fir.	Laundrie, J. F., & Hyttinen, A.	FPL Rpt. 2225. 1961.
The groundwood and sulfate pulping of pole-blighted and healthy western white pine.	Schafer, E. R., Hyttinen, A., & Martin, J. S.	FPL Rpt. 2185. 1960.
Effect of bark in the sulphate pulping of a northern oak mixture.	Brown, K. J.	Tappi 39(6): 443-448, June 1956.
Sulfate pulping of ponderosa pine thinnings.	Martin, J. S.	FPL Rpt. 1909. 1951. +1958.
Sulfate pulping of logging and sawmill wastes of old-growth Douglas-fir and of certain associated species.	Martin, J. S.	FPL Rpt. 1747. 1949. +1962. Also published Tappi 32(12): 534-539, Sept. 1949.
Sulfate pulping of dead, standing jack pine (Pinus banksiana).	Heinig, M., & Martin, J. S.	FPL Rpt. 1746. 1949. +1962.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Chemical Pulping (continued)		
Kraft(continued)		
Length and width of unbleached sulphate pulp fibers from certain western woods.	Heinig, M., & Simmonds, F. A.	Paper Indus. & Paper World, Aug. 1948.
Influence of sodium sulfite and sodium thiosulfate in the sulfate pulping of Engelmann spruce.	Bray, M. W., & Singer, B.	Paper Indus. & Paper World, May 1947; Paper Trade Jour., Aug. 21, 1947.
Sulfate pulping of Douglas-fir, western hemlock, Pacific silver fir, and western redcedar logging and sawmill waste.	Bray, M. W., & Martin, J. S.	FPL Rpt. 1641. 1947. +1962.
Effect of continuous liquor flow in pulping by the sulfate process.	Schwartz, S. L., & Bray, M. W.	FPL Rpt. 1403. 1942. +1962.
The viscosity-temperature-total solids relationship of sulfate black liquors.	Schwartz, S. L.	FPL Rpt. 1416. 1942. +1962.
Sulfate pulping of Douglas-fir: Effect of growth variables on yield and pulp quality.	Bray, M. W., Schwartz, S. L., & Martin, J. S.	TAPPI Papers, Series XXIII, No. 1, 1940.
Sulfate pulping of silver fir: Effect of chemical concentration and of wood selection on yield and pulp quality.	Bray, M. W., Martin, J. S., & Schwartz, S. L.	Pacific and Paper Indus., Sept. 1939; Paper Trade Jour., Vol. 109, Nov. 2, 1939.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Chemical Pulping (continued)		
Sulfite		
Alkaline sulfite pulping of Douglas-fir and spruce including the effect of borohydride.	Sanyer, N., Itoh, T., & Keller, E. L.	Tappi 47(6): 323-335, June 1964.
Multi-stage sulfite pulping of jack pine, balsam fir, spruce, oak, and sweetgum.	Sanyer, N., Keller, E. L., & Chidester, G. H.	Tappi 45(2): 90-104, Feb. 1962.
Sulfite pulping of Engelmann spruce.	Keller, E. L.	FPL Rpt. 1408. Revised 1957. +1962.
Some experiments in sodium sulphite pulping.	McGovern, J. N., & Keller, E. L.	FPL Rpt. 1728. 1948. +1962; Pulp and Paper Mag. of Canada, Aug. 1948.
Sulfite pulps and papers from sawdust and chip mixtures.	Keller, E. L., & McGovern, J. N.	Pulp and Paper Mag. of Canada, June 1947.
Sulfite pulping of western redcedar.	Keller, E. L., & McGovern, J. N.	FPL Rpt. 1494. 1945. +1962.
Sulfite pulping experiments on sand pine.	McGovern, J. N., & Keller, E. L.	FPL Rpt. 1429. 1943. +1962.
Sulfite pulp from lowland white fir.	Chidester, G. H., & McGovern, J. N.	FPL Rpt. 1404. 1942. +1962.
Pulping loblolly pine heartwood with calcium-, magnesium-, and sodium-base sulfite liquors.	McGovern, J. N., & Chidester, G. H.	Paper Trade Jour., Oct. 16, 1941; abstract in Paper Mill News, Sept. 20, 1941.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Chemical Pulping (continued)		
Sulfite (continued)		
Effect of the addition of sodium salts in pulping shortleaf pine with neutral sodium sulfite liquor.	Chidester, G.H., & McGovern, J. N.	Paper Trade Jour., Feb. 9, 1939.
Semichemical and sulfite pulping experiments and production of corrugating boards from blackjack oak.		FPL Rpt. 1414. 1939. +1962.
Comparison of sulfite pulps from fast-growth loblolly, shortleaf, longleaf, and slash pines.	Chidester, G. H., McGovern, J. N., & McNaughton, G. E.	Paper Trade Jour., July 28, 1938.
Effect of varying the concentration of combined sulfur dioxide in soda base sulfite pulping.	Chidester, G. H., & Billington, P.S.	Paper Trade Jour., Feb. 11, 1937; Pulp and Paper Mag. of Canada, Feb. 1937.
Semichemical Pulping		
Neutral sulfite semichemical pulping of guaba (*inga vera*), yagrumo hembra (*Cecropia peltata*), and eucalyptus (*Eucalyptus robusta*) from Puerto Rico.	Keller, E. L., Kingsbury, R. M., & Fahey, D. J.	FPL Rpt. 2127. 1958.
Papers and boards from hickory neutral sulfite semichemical pulps.	Keller, E. L., Kingsbury, R. M., & Fahey, D. J.	FPL Rpt. 2088. 1957.

+Information reviewed and reaffirmed.

Title	Author	Publication and date

PULPING PROCESS INVESTIGATIONS (continued)

Semichemical Pulping (continued)

High-yield neutral sulfite pulps.	Ceragioli, G., Keller, E. L., & Chidester, G. H.	FPL Rpt. 2053. 1956. +1962.
Neutral sulfite corrugating boards from southern red, scarlet, and black oaks.	Keller, E. L., & Fahey, D. J.	FPL Rpt. 2067. 1956. +1962.
Semichemical-pulping characteristics of Pacific Coast red alder, Douglas-fir, western redcedar, and western hemlock.	Keller, E. L., Martin, J. S., & Kingsbury, R. M.	FPL Rpt. 1912. Revised 1956. +1962.
The liquor-to-wood ratio as a variable in neutral sulfite semichemical pulping.	Keller, E. L., & McGovern, J. N.	Tappi 38(9): 568-572, Sept. 1955.
Influence of fiberizing variables in producing semichemical pulp.	Aflenzer, F. A.	Tappi 37(3): 90-96, Mar. 1954.
Today's semichemical pulp industry--A significant development in pulpwood utilization.	Hall, J. A.	South. Pulp & Paper Mfr. 15(12): 60, 62-65, 90, Dec. 10, 1952.
Effect of recycling spent liquor in semichemical pulping.	Keller, E. L., & McGovern, J. N.	Tappi 34(6), June 1951.
Effect of bark in the neutral sulfite semichemical pulping of aspen, hickory, and slash pine.	Keller, E. L.	Tappi 33(11): 556-560, Nov. 1950.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Semichemical Pulping (continued)		
Semichemical pulping.	Chidester, G. H.	Forest Prod. Res. Soc. Proc., 1949; Paper Trade Jour., Nov. 17, 1949.
Neutral sulfite semichemical pulping of aspen: Effect of certain buffering agents.	Keller, E. L., & McGovern, J. N.	Tappi 32(9): 400-405, Sept. 1949.
Linerboards from jack pine and hardwood semichemical pulps.	McGovern, J. N., Mackin, G. E., & Chidester, G. H.	Fibre Containers, Oct. 1948; Tappi, Apr. 1949.
High-yield sulfate and soda semichemical pulps from selected southern hardwoods and southern yellow pine for the production of paperboards.	Bray, M. W., & Martin, J. S.	FPL Rpt. 1491. 1944. +1962.
Acid and neutral sulfite semichemical pulping of six Arkansas Delta hardwoods (black willow, southern cottonwood, American elm, sugarberry, green ash, and bitter pecan).	McGovern, J. N., & Chidester, G. H.	FPL Rpt. 1292. 1942. +1956.
Semichemical and sulfite pulping experiments and production of corrugating boards from blackjack oak.	Forest Products Laboratory	FPL Rpt. 1414. 1939. +1962.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Chemimechanical Pulping		
Chemimechanical pulps from various softwoods and hardwoods.	Chidester, G. H., Laundrie, J. F., & Keller, E. L.	FPL Rpt. 2188. 1960.
Cold soda pulping of southern oaks, sweetgum, and cottonwood.	Brown, K. J.	FPL Rpt. 2142. 1959.
Continuous cold soda pulping of west coast red alder, tanoak, madrone, and bigleaf maple.	Laundrie, J. F.	FPL Rpt. 2162. 1959.
Use of sweetgum and aspen cold soda pulp in making boxboard.		PP-118. 1959.
Special considerations affecting improvement in the cold soda pulping process.	Brown, K. J.	FPL Rpt. 2101. 1957.
Cold soda pulping of aspen by improved methods.	Brown, K. J., & Monsson, W. H.	Tappi 39(8): 592-599, Aug. 1956.
New--fast--continuous cold soda hardwood pulping process.	Brown, K. J., & Hilton, R. D.	Paper Trade Jour. 140(21): 42-46, May 21, 1956.
Groundwood and chip groundwood pulping and papermaking experiments on ponderosa pine.	Schafer, E. R., & Hyttinen, A.	FPL Rpt. 1947. Revised 1956.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Chemimechanical Pulping (continued)		
Recycling liquor systems for cold soda pulping.	Baird, P. K., Ceragioli, G., & Brown, K. J.	FPL Rpt. 2059. 1956.
Use of bleached cold soda pulps from certain mixtures of Latin-American hardwoods in newsprint.	Chidester, G. H., & Brown, K. J.	FPL Rpt. 2013. 1954. +1959.
High-yield cold soda pulps and products from several woods.	Brown, K. J., & McGovern, J. N.	The Paper Industry, Apr. 1953.
Aspects of cold soda pulping in relation to penetration.	Brown, K. J.	PP-95. 1953. +1960.
Pulping hardwoods by the cold soda process.	Brown, K. J.	PP-94. 1952. +1960.
Experiments on water and steam cooking of aspen.	McGovern, J. N., Brown, K. J., & Kraske, W. A.	Tappi 32(10): 440-448, Oct. 1949.
Mechanical Pulping		
Effect of condition and kind of wood on groundwood pulp quality.	Schafer, E. R.	FPL Rpt. 2220. 1961.
The groundwood and sulfate pulping of pole-blighted and healthy western white pine.	Schafer, E. R., Hyttinen, A., & Martin, J. S.	FPL Rpt. 2185. 1960.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Mechanical Pulping (continued)		
Groundwood pulping of white fir and corkbark fir.	Hyttinen, A., & Schafer, E. R.	FPL Rpt. 2175. 1959.
Experiments on the groundwood and sulfite pulping of subalpine fir.	Hyttinen, A., Keller, E. L., & Schafer, E. R.	FPL Rpt. 2122. 1958.
Grinding of loblolly pine. Relation of wood properties and grinding conditions to pulp and paper quality.	Schafer, E. R., Pew, J. C., & Curran, C. E.	FPL Rpt. 1163. 1937. Revised 1958.
The groundwood pulping of balsam fir and jack pine.	Hyttinen, A., & Schafer, E. R.	FPL Rpt. 2139. 1958.
Groundwood and chip groundwood pulping and papermaking experiments on ponderosa pine.	Schafer, E. R., & Hyttinen, A.	FPL Rpt. 1947. Revised 1956.
Groundwood and sulfate pulping and newsprint papermaking experiments on Engelmann spruce.	Schafer, E. R., Pew, J. C., Hyttinen, A., Martin, J. S., & Kingsbury, R. M.	FPL Rpt. 1407. Revised 1956. +1962.
Grinding pretreated hardwoods: Experiments on quaking aspen, sweetgum, red alder, black tupelo, sugar maple, red oak, and cottonwood.	Hyttinen, A., & Schafer, E. R.	FPL Rpt. 2015. 1955. +1960.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Mechanical Pulping (continued)		
Effect of the moisture content of wood on the groundwood pulping of white spruce and quaking aspen.	Schafer, E. R., & Hyttinen, A.	Paper Trade Jour., Aug. 3, 1950.
The groundwood pulping of mixtures of white spruce and quaking aspen.	Schafer, E. R., & Hyttinen, A.	Tappi 33(7): 335-337, July 1950.
Groundwood pulping of five common Northeastern farm woodland species (Eastern white pine, yellow birch, red maple, American beech, and white ash).	Schafer, E. R., & Hyttinen, A.	FPL Rpt. 1743. 1949. +1961.
The grinding of hardwoods: Experiments on eastern cottonwood, yellow-poplar, sugar maple, black tupelo, white ash, birch, and sweetgum.	Hyttinen, A., & Schafer, E. R.	FPL Rpt. 1745. 1948. +1962.
Experiments on the grinding of quaking aspen and use of pulp in printing papers.	Hyttinen, A., Mackin, G. E., & Schafer, E. R.	FPL Rpt. 1679. 1947. +1962.
The grinding of hardwoods: Studies on swamp tupelo, paper birch, green ash, sugarberry, eastern cottonwood, black willow, and American elm.	Schafer, E. R., & Pew, J. C.	FPL Rpt. 1419. 1943. +1962.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
	Miscellaneous	
Factors influencing the dynamic strength of pine sulfate pulp.	Springer, E. L., Nordman, L., & Virkola, Nils-Erik	Tappi 47(8): 463-467, Aug. 1964.
Pulp yields for various processes and wood species.	Forest Products Laboratory	U.S. Forest Service Res. Note. FPL-031. 1964.
Strength of some hardwood pulps and their fiber fractions.	Simmonds, F. A., & Hyttinen, A.	U.S. Forest Service Res. Note. FPL-023. 1964.
Chemical pulping and wallboard experiments with sundri (Heritiera minor) wood.	Razzaque, M. A.	FPL Rpt. 2253. 1962.
Fact sheet on commercial processes of pulping woods.	Forest Products Laboratory	RPI-70. Revised 1962.
Bisulfite and kraft pulping of sawchips from Douglas-fir and southern pine.	Sanyer, N., Keller, E. L., and Martin, J. S.	Tappi 44(8): 180A-190A, Aug. 1961.
Pulping of Asian and Australian wood and plant fiber.	Chidester, G. H., & Schafer, E. R.	FPL Rpt. 2211. 1961.
Pulping and papermaking experiments on certain Philippine woods and plant fibers.	Keller, E. L., Martin, J. S., Hyttinen, A., & Simmonds, F. A.	FPL Rpt. 2207. 1961.
Pulping and papermaking experiments on certain pines of Mexico and Central America.	Schafer, E. R., & Chidester, G. H.	FPL Rpt. 2217. 1961.
Sweetgum sulfate and neutral sulfite semichemical pulps for linerboard.	Fahey, D. J., & Setterholm, V. C.	Tappi (7): 643-650, July 1960.
Pulps and corrugating paperboards from chestnut oak.	McGovern, J. N., & Martin, J. S.	FPL Rpt. 1738. 1949. Revised 1960.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Miscellaneous (continued)		
Pulping and papermaking experiments on quaking aspen from Colorado.	Hyttinen, A., Martin, J. S., & Keller, E. L.	FPL Rpt. 2180. 1960.
Pulping and papermaking experiments on redwood.	Martin, J. S., Simmonds, F. A. & Fahey, D. J.	FPL Rpt. 2181. 1960.
Pulp and papermaking with Asian grasses, ekra, khagra, and nal.	Martin, J. S., & Guy, C. U.	FPL Rpt. 2195. 1960.
Pulping sawdust chips made by a coarse-feed saw.	Martin, J. S.	Forest Prod. Jour. 9(10): 359-360, Oct. 1959.
Growth factors influencing the value of jack pine for kraft and sulfite pulps.	Chidester, G. H., Bray, M. W., & Curran, C. E.	FPL Rpt. 1286. 1939. Revised 1959.
Pulping of mesquite, manzanita, and snowbrush.	Laundrie, J. F.	FPL Rpt. 2138. 1958.
Pulping of northern white-cedar and tamarack.	Hyttinen, A., Keller, E. L., Martin, J. S., Setterholm, V. C., & Kingsbury, R. M.	FPL Rpt. 2128. 1958.
Pulping and papermaking experiments on insignis pine (Pinus radiata).		FPL Rpt. 2124. 1958.
Pulping and papermaking experiments on Colombian woods.	Chidester, G. H., & Schafer, E. R.	FPL Rpt. 2117. 1958.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Miscellaneous (continued)		
Summary of pulping and papermaking experiments on eucalyptus, 1926 to June 1957.		FPL Rpt. 2126. 1958.
Correlation between chlorine number and lignin content of high-yield kraft pulps.	Keller, E. L., & Borlew, P. B.	Tappi 38(6): 379-383, June 1955.
Pulping characteristics of Lake States and Northeastern woods.	Schafer, E. R., Martin, J. S., & Keller, E. L.	FPL Rpt. 1675. 1947. Revised 1955. +1960.
Pulping of Latin-American woods.	Chidester, G. H., & Schafer, E. R.	FPL Rpt. 2012. 1954. +1959.
Commercial processes of pulping woods.		FPL Tech. Note 204. Revised 1953.
Utilization of white-pocket Douglas-fir: Pulping and chemical conversion.	Martin, J. S., Kingsbury, R. M., McGovern, J. N., & Lloyd, R. A.	FPL Rpt. 1961. 1953. +1959.
Effect of storage of slash pine pulpwood on sulfate and groundwood pulp quality.	McGovern, J. N., Martin, J. S., & Hyttinen, A.	Forest Prod. Res. Soc. Proc., 1951.
Pulping of lodgepole pine.	McGovern, J. N.	FPL Rpt. 1792. 1951. +1958.
Pulps and corrugating paperboards from farm woodland hickory.	McGovern, J. N., Keller, E. L., & Martin, J. S.	FPL Rpt. 1753. 1949. +1961.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
PULPING PROCESS INVESTIGATIONS (continued)		
Miscellaneous (continued)		
Chemical properties of white spruce pulp prepared by the use of phenol.	Billington, P. S., & Fiedler, E. L.	FPL Rpt. 1418. 1942. +1962.
Effect of wood structure on properties of sulfate and sulfite pulps from loblolly pine.	Pillow, M. Y., Chidester, G. H., and Bray, M. W.	South. Pulp and Paper Jour., Dec. 1941.
Suitability of high-density, high-summerwood slash pine for kraft and high-grade papers.	Schwartz, S. L., & Bray, M. W.	South. Pulp & Paper Jour., Mar. 1941; Paper Trade Jour., Sept. 4, 1941; abstract in Paper Mill & Wood Pulp News, Feb. 22, 1941.
FIBER PROCESSING		
Chemical		
Possibilities for two stage bleaching of bisulphite pulps without chlorination.	Simmonds, F. A.	Paper Trade Journal, Apr. 27, 1964.
Two-stage nonchlorination bleaching of several hardwood neutral sulfite semichemical pulps.	Simmonds, F. A., & Hyttinen, A.	U. S. Forest Service Research Note FPL-043. 1964.
Prehydrolysis-kraft pulping process in the manufacture of dissolving pulps.	Simmonds, F. A.	Tappi 46(11): 145A-146A, Nov. 1963.
Bleached kraft pulp from several southern hardwoods.	Simmonds, F. A., Keller, E. L., & Chidester, G. H.	South. Pulp and Paper Mfgr. 26(8): 57-58, 60, 62, 66, 68, Aug. 10, 1963.
Better bleaching of hardwood cold soda pulps.	Hyttinen, A.	Paper Mill News 86(27): 21, 24, July 8, 1963.

+Information reviewed and reaffirmed.

Title	Author	Publication and date
	FIBER PROCESSING (continued)	
	Chemical (continued)	
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Title	Author	Publication and date
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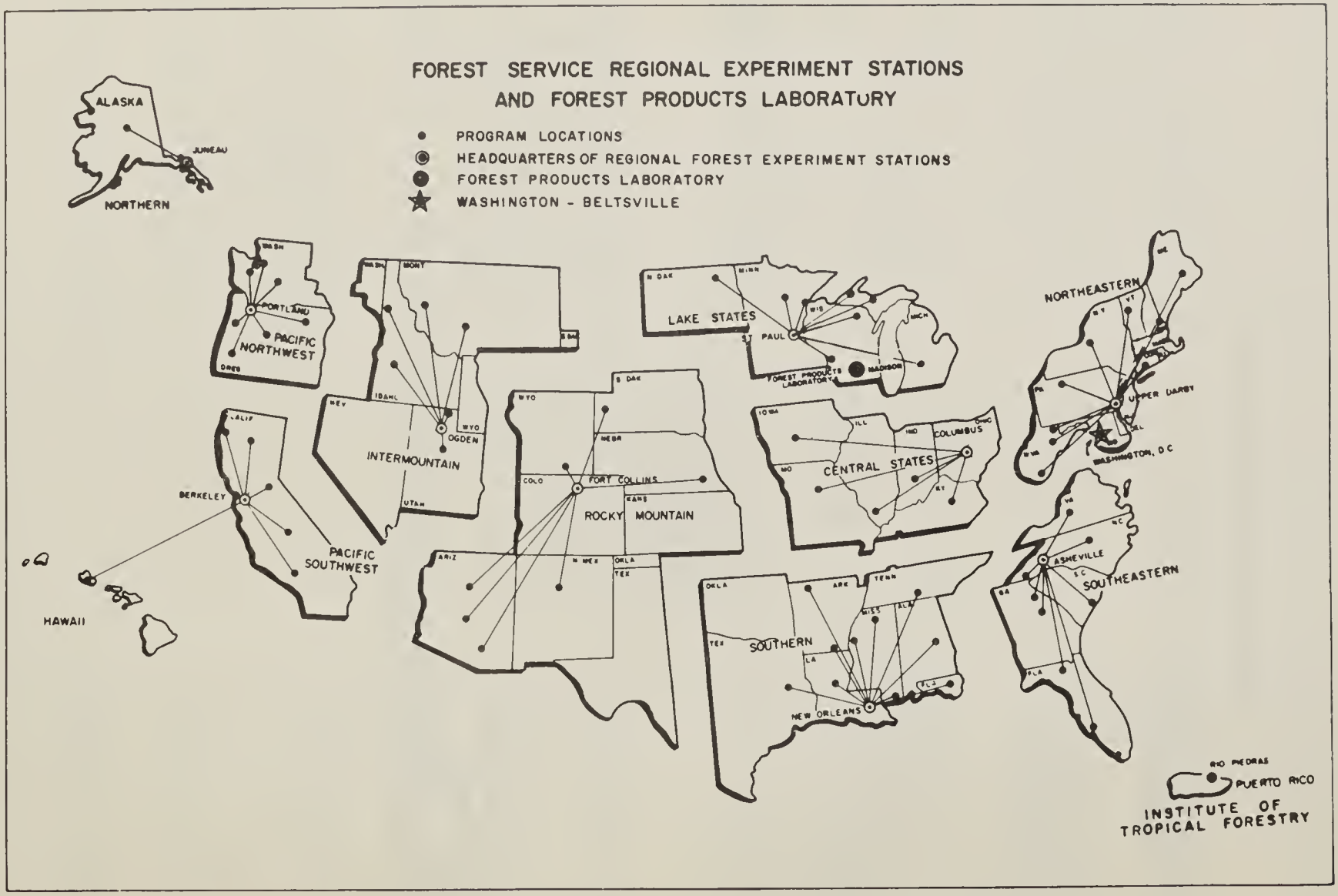

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